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CR-133569

Monthly Report

to

National Aeronautics and Space

Administration

(E73-10912) [COLLECTION AND PROCESSING
OF SKYLAB DATA] Monthly Progress
Report, period ending 1 Aug. 1973 (South
Dakota State Univ.) 2 p HC \$3.00

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Contract No. NAS 9-13337

Period Ending August 1, 1973

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3.0 Report of work as identified in Ex. A (SOW)---Contract NAS 9-13337

3.1 Progress Reports

a. Overall status ----

Coordination of a time for a predawn and daytime SKYLAB data collection was accomplished. The SKYLAB overpasses are to be August 3, and August 6.

A simulated SKYLAB S192 tape was received. Initial evaluations of the tape are that this form is compatible with our system.

A continuation of development of a boundary detection algorithm was pursued. Testing of the developed computer program is being accomplished using digitized ERTS data as a quantitative study for determining surface water areas. The program will be further developed and utilized on the SKYLAB multispectral scanner data.

b. Recommendations ----

Recommendations at this time for SKYLAB coverage during the SL-3 mission are to conduct a predawn mission September 7, and the daytime of September 14. We anticipate both C130 and RB57 coverage as an underflight to the SKYLAB September 14, mission.

c. Expected accomplishments ----

Data cataloging and initial visual inspection and interpretation are anticipated for the next period. Continued development of the boundary detection algorithm will be pursued.

d. A readily.....results.....

None at this time.

e. Summary outlook ----

At this time, the summary outlook appears to follow, in general, that which is stated in the "SOW" of the contract. However, those data to be analyzed will be selected after knowledge of which data are available.

f. Travel summary ----

Travel in August will include an on site equipment installation for the proposed SKYLAB overflight (August 3, and 6).